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NOTICE OF ALLOWANCE AND FEE(S) DUE

26694

12/23/2009

VENABLE LLP P.O. BOX 34385 WASHINGTON, DC 20043-9998

EXAMINER VU, NGOC YEN T ART UNIT PAPER NUMBER

2622

DATE MAILED: 12/23/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,315	12/23/2003	John Pretlove	43315-201410	5572

TITLE OF INVENTION: INTERACTIVE AND SHARED AUGMENTED REALITY SYSTEM AND METHOD HAVING LOCAL AND REMOTE

ACCESS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/23/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:**

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where n

maintenance fee notifications. CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Fee(s) Transmittal. This co rs. Each additional pa	ertificate cannot be used f	r domestic mailings of the or any other accompanying nt or formal drawing, must
VENABLE LL P.O. BOX 34385 WASHINGTON	/2009		I her State addre trans	eby certify that this F	cate of Mailing or Transi dee(s) Transmittal is being sufficient postage for firs op ISSUE FEE address (571) 273-2885, on the d	mission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.	
							(Depositor's name)
							(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR	A ^r .	TORNEY DOCKET NO.	CONFIRMATION NO.
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nonprovisional	NO	\$1510	\$300		\$0	\$1810	03/23/2010
EXAM	INER	ART UNIT	CLASS-SUBCLASS				
VU, NGO	C YEN T	2622	348-211800				
CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED OF			registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.				
PLEASE NOTE: Unl recordation as set forth (A) NAME OF ASSIC	ess an assignee is identi h in 37 CFR 3.11. Comp GNEE	ified below, no assignee bletion of this form is NO	data will appear on the Ta substitute for filing (B) RESIDENCE: (C	he pa	ttent. If an assignee issignment. and STATE OR COU	UNTRY)	ocument has been filed for
Please check the appropri							• •
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	s SMALL ENTITY statu	is. See 37 CFR 1.27.				ENTITY status. See 37 CI	
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Typed or printed name			Registration No.				
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,315 12/23/2003		John Pretlove	43315-201410 5572	
26694 75	590 12/23/2009		EXAM	INER
VENABLE LLP		VU, NGOC YEN T		
P.O. BOX 34385		ART UNIT PAPER NUMBER		
WASHINGTON, I	OC 20043-9998		2622	
		DATE MAILED: 12/23/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 639 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 639 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/743,315	PRETLOVE ET AL.	
Notice of Allowability	Examiner	Art Unit	
	NGOC-YEN T. VU	2622	
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subjected and MPEP 1308.	application. If not included tion will be mailed in due course. THIS	
1. This communication is responsive to <u>amendment filed 10/0</u>			
2. X The allowed claim(s) is/are <u>1-3, 5-7, 9-20, 22-28 & 30-34 (</u>	Claims are renumbered as 1-30,	<u>respectively)</u> .	
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	, ,		
3. Copies of the certified copies of the priority do	cuments have been received in t	his national stage application from the	
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAMIN	IER'S AMENDMENT or NOTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted		
(a) ☐ including changes required by the Notice of Draftspers		TO-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date		ne Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5 Notice of Inform	al Patant Application	
 Image: Notice of References Cited (PTO-892) Image: Discrete of Draftperson's Patent Drawing Review (PTO-948) 	5. Notice of Inform		
	6.	Date .	
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 	7. 🛛 Examiner's Ame	endment/Comment	
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's State 9. ☐ Other	ement of Reasons for Allowance	
/Ngoa Van T VIII	J. [] Oulei		
/Ngoc-Yen T. VU/ Primary Examiner, Art Unit 2622			

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Allowable Subject Matter

1. Claims 1-3, 5-7, 9-20, 22-28 and 30-34 are allowed.

Examiner's Amendment

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

<u>Claim 7</u> (Currently Amended) The system according to claim 6, wherein said operator input device comprises a pointing device and a tracking unit configured to determine a position of the pointing device and wherein the system is adapted to generate a graphical representation of a point pointed out by the <u>a</u> pointing member based on the position of the pointing device.

<u>Claim 10</u> (Currently Amended) The system according to claim 9, wherein said second movable device is the <u>a</u> local display device.

Claim 11 (Currently Amended) The system according claim 9, further comprising a second camera for capturing an image, the camera being arranged in a fix relation to the second movable device, wherein the second registering unit is adapted to register the generated graphics generated by the second registering unit to the image from the second camera, to provide a composite augmented reality image, and wherein the a local display device is adapted to display a view comprising the composite augmented reality image.

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<u>Claim 12</u> (Currently Amended) The system according to claim 1, wherein the remote display device is adapted to display a view seen from a first visual angle that depends on the position and orientation received from the first specifying tracking unit and wherein the <u>a</u> local display device is adapted to display the same view as the remote display device seen from a second visual angle that depends on the position and orientation received from the second specifying unit.

<u>Claim 20</u> (Currently Amended) The method according to claim 15, further comprising receiving information about the position of a pointing device and generating first graphics representing a point pointed out by the <u>a</u> pointing member, based on the position of the pointing device.

Claim 27 (Currently Amended) The method according to claim 15, wherein the view displayed at the remote site comprises the environment of the local site and the overlaid graphics seen from an a visual angle that depends on the remote position and orientation specified in the remote site and the view displayed in the local site comprises the environment of the local site and the overlaid graphics seen from an a visual angle that depends on the local position and orientation specified in the local site.

<u>Claim 31</u> (Currently Amended) The system according to claim 11, further comprising a handheld display device comprising the <u>a</u> display member and the camera.

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Priority

3. Acknowledgment is made of applicant's claim for foreign priority based on an application

filed in Sweden on 12/30/2002. It is noted, however, that applicant has not filed a certified copy

of the 0203908-9 application as required by 35 U.S.C. 119(b).

Contact Information

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to NGOC-YEN T. VU whose telephone number is (571)272-7320.

The examiner can normally be reached on Mon. - Fri. from 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Ometz can be reached on 571-272-7593. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Ngoc-Yen T. VU/

Primary Examiner, Art Unit 2622

12/17/2009

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